



## TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

## CHEMICAL ANALYSIS REPORT

## Inorganics

Water System

Name and Address

## Sample Type Key

D - Distribution

B - Entry Point

E - Composite

S - Special

County: \_\_\_\_\_

PWSID

Entry Point

Sample Date

Sample Type

Sample Time

|   |  |  |  |  |  |   |
|---|--|--|--|--|--|---|
|   |  |  |  |  |  |   |
| 1 |  |  |  |  |  | 7 |

|   |
|---|
|   |
| 8 |

|    |  |  |  |  |    |
|----|--|--|--|--|----|
|    |  |  |  |  |    |
| 36 |  |  |  |  | 41 |

|    |
|----|
|    |
| 42 |

|    |  |  |    |
|----|--|--|----|
|    |  |  |    |
| 43 |  |  | 46 |

Collected by: \_\_\_\_\_ Sampling Point

|    |  |    |
|----|--|----|
|    |  |    |
| 33 |  | 35 |

Laboratory Name: \_\_\_\_\_

Lab ID

|    |  |  |  |    |
|----|--|--|--|----|
|    |  |  |  |    |
| 47 |  |  |  | 51 |

| Analyte ID | Name              | Method  | Sign | Results | Decimal | Analysis Date | MCL    | Suggested MDL | Analyst |
|------------|-------------------|---------|------|---------|---------|---------------|--------|---------------|---------|
| 9 - 12     |                   | 13 - 20 | 21   | 22 - 25 | 26      | 27 - 32       | (mg/L) | (mg/L)        |         |
| 1005       | Arsenic           |         |      |         |         |               | 0.05   | 0.005         |         |
| 1010       | Barium            |         |      |         |         |               | 2.0    | 0.1           |         |
| 1015       | Cadmium           |         |      |         |         |               | 0.005  | 0.0001        |         |
| 1020       | Chromium          |         |      |         |         |               | 0.1    | 0.001         |         |
| 1024       | Cyanide           |         |      |         |         |               | 0.2    | 0.02          |         |
| 1025       | Fluoride          |         |      |         |         |               | 4.0    | 0.2           |         |
| 1035       | Mercury           |         |      |         |         |               | 0.002  | 0.0002        |         |
| 1036       | Nickel            |         |      |         |         |               | 0.1    | 0.001         |         |
| 1045       | Selenium          |         |      |         |         |               | 0.05   | 0.002         |         |
| 1052       | Sodium            |         |      |         |         |               |        |               |         |
| 1074       | Antimony - Total  |         |      |         |         |               | 0.006  | 0.0008        |         |
| 1075       | Beryllium - Total |         |      |         |         |               | 0.004  | 0.0002        |         |
| 1085       | Thallium - Total  |         |      |         |         |               | 0.002  | 0.0007        |         |

Compositing of samples is encouraged, however, laboratories analyzing for the presence of inorganics must achieve a minimum detection limit of less than one-fifth of the MCL when compositing. Analytical reports showing contaminant concentrations at a value less than a number which is greater than the MCL are invalid. For example, if the analysis of a sample for thallium indicates a concentration of < 0.003 mg/L then the results would be invalid for the purpose of determining compliance with the Safe Drinking Water Act. If nitric acid cannot be used in the field as a preservative because of safety or shipping restrictions, metal samples may be preserved in the laboratory for 16 hours prior to the analysis.

Return form to: Tennessee Division of Water Supply, 6th Floor, L &amp; C Tower, 401 Church Street, Nashville, TN 37243-1549